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Implements in the Tide-Water Province, W. H. Holmes. Aboriginal Novaculite Quarries in Arkansas, W. H. Holmes. Games of Teton Dakota Children, James Owen Dorsey. Geographical Arrangement of Prehistoric Objects in the U. S. National Museum, Thos. Wilson. Curious Forms of Chipped Stone Implements Found in Italy, Honduras, and the United States, Thos. Wilson. Inventions of Antiquity, Thos. Wilson. Study of Automatic Motion, Joseph Jastrow. Race Survivals and Race Mixture in Great Britain, W. H. Babcock.

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### SCIENTIFIC NEWS.

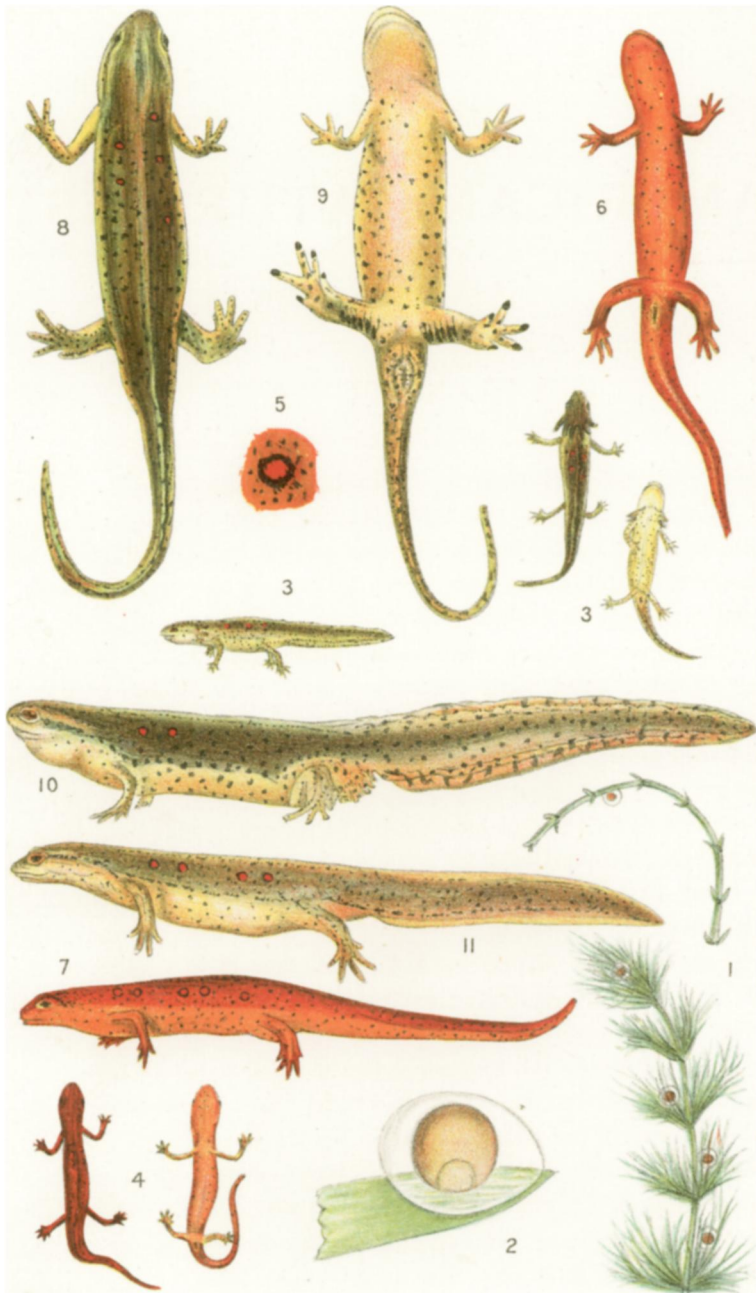
The Ninth Congress of the American Ornithologists' Union will convene in New York city on Tuesday, November 17th, 1891, at eleven o'clock A. M. The meetings will be held at the American Museum of Natural History, Central Park (77th Street and Eighth Avenue).

Philip Herbert Carpenter, M. A., F. R. S., died October 23d. He was born in London, February 6th, 1852; was educated at Cambridge, and in 1877 was appointed assistant master at Eton College. In 1868 he was a member of the scientific staff of the deep-sea exploring expedition of H. M. S. *Lightning*, and was with H. M. S. *Porcupine*, in the same capacity, in 1869-'70. In 1875 he was appointed assistant naturalist on H. M. S. *Valorous*, which accompanied Sir George Nares's Arctic expedition to Disco Island. In 1883 the deceased scientist was awarded the Lyell fund by the Geological Society of London, and in 1885 he was elected a fellow of the Royal Society. He was the author of a number of valuable works, including a "Report Upon the Comatulæ Dredged by the United States Survey in the Caribbean Sea," published last year.

At the meeting of the Academy of Natural Sciences of Philadelphia, on October 20th, the committee on the Hayden Memorial Geological Fund reported that they had decided to award the Hayden medal and accompanying fund this year to Professor Edward Drinker Cope, in recognition of his researches in the domain of geology and paleontology. This is the second award of this medal of honor, the first having been made to Professor James Hall, the veteran geologist of New York, and pioneer in the field of American paleontology.

The Bulletin of the Essex Institute just issued (Vol. XXIII., Nos. 4, 5, and 6) contains the retrospect of the year 1890-'91. From it we learn that the total additions to the library number 19,102, of which 2,638 were bound volumes, 6,994 pamphlets, and 9,470 serial. The receipts for the year were \$6,708.71, and the income-earning property, \$71,269.10. Nine members have died during the year.

Dr. Martin Heidenhain is Prosector of Comparative Anatomy in the University of Würzburg.



S.H. Gæde, del. ad nat.

Ketterlinus, lith. Phila.

DIEMYCTYLUS VIRIDESCENS RAF.